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Dec., 1924

BANNER

— FORMERLY ARROW —

STEEL R.R. RAIL SECTION FENCE POSTS



SOLID ANCHORAGE
IN GROUND

American Steel & Wire
Company

Banner T-Steel Fence Posts

—Formerly Arrow

Strength

THE Banner Posts are made from a rolled section that represents an entirely new principle in post construction. Combining as it does, the advantages of both the "T" and I-Beam shapes, it offers greater strength in all directions than it is possible to secure in any other section of equal weight. Banner posts are made from ore to finished product in our own mills, and through our control of every operation, we are able to produce steel that is exactly right for post purposes. A study of the illustrations on these pages will make clear the reasons why Banner Posts offer the greatest possible strength.

Wire Clamps

The Banner Posts offer the newest and by far the most efficient method of attaching fence wires that has yet been developed. For complete details of this important feature, see page 3.

Anchor or Face Plates

Banner Anchor Plates are $3\frac{1}{2} \times 9$ " in size and riveted lengthwise on the stem of the post. This method of attaching gives greatly increased ground facing and does away entirely with the shearing point that is set up when the anchor plates are applied crossways. By attaching the anchor in this manner we avoid any fulcrum point, and thus secure greater strength.

Finish

Banner Posts are finished with a heavy coat of a special steel paint with unusual high preservative qualities. Their color is battle-ship grey and the paint is baked on under a high temperature. They will stand up for many years and give satisfactory service.

Driving

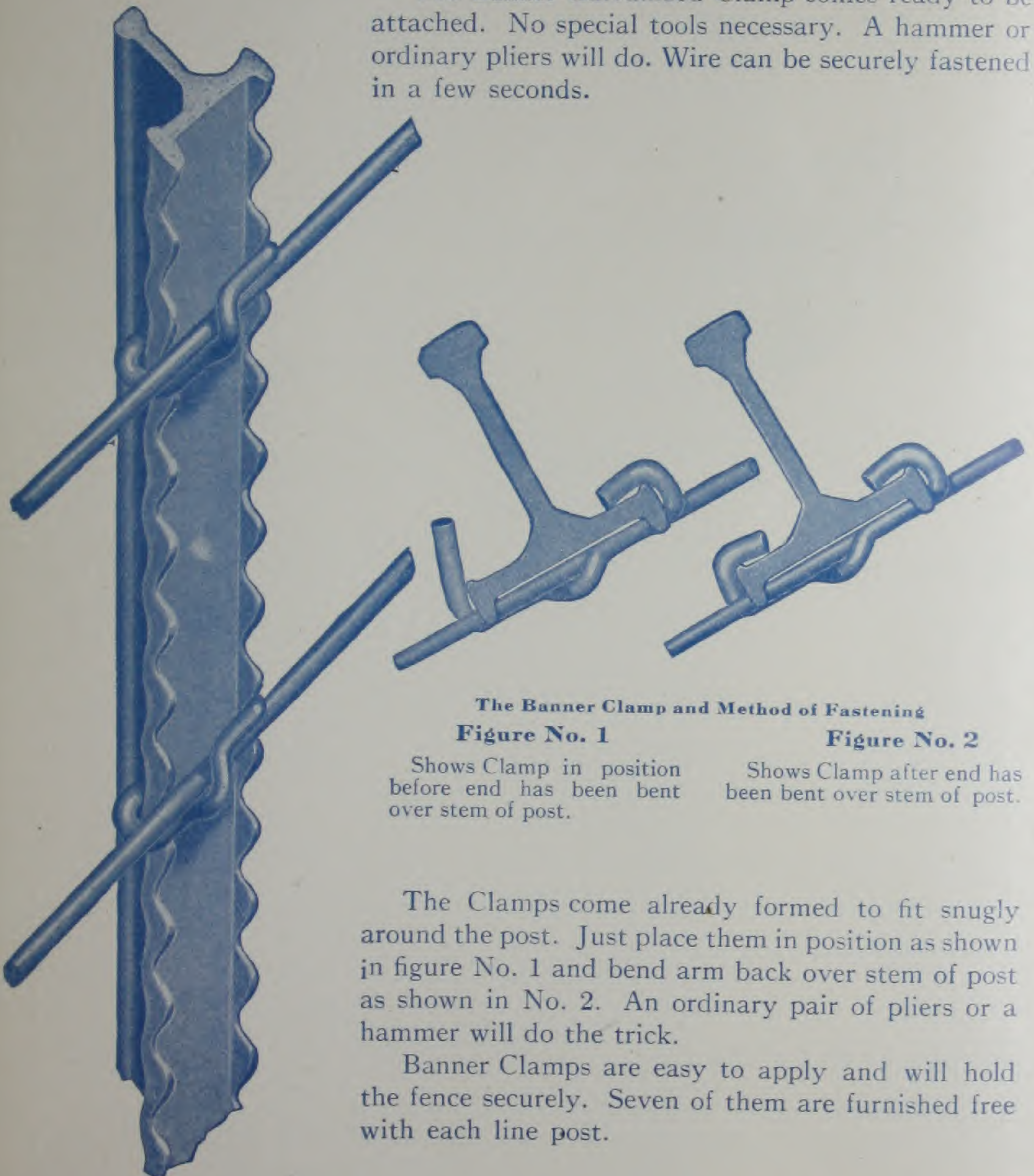
Use an ordinary steel sledge and drive them home, about two or three minutes for each post is sufficient to set them firmly.



The Banner Method of Attaching Wire

A continuous series of lugs are rolled along both sides of the face of the tee. These lugs are spaced every $\frac{3}{4}$ -inch and on account of this close spacing, it is possible to securely fasten every line wire of a woven fence if that is desired. Under ordinary conditions it is considered ample if every other wire is stapled to the post.

The Banner Galvanized Clamp comes ready to be attached. No special tools necessary. A hammer or ordinary pliers will do. Wire can be securely fastened in a few seconds.



The Banner Clamp and Method of Fastening
Figure No. 1

Shows Clamp in position before end has been bent over stem of post.

Figure No. 2

Shows Clamp after end has been bent over stem of post.

The Clamps come already formed to fit snugly around the post. Just place them in position as shown in figure No. 1 and bend arm back over stem of post as shown in No. 2. An ordinary pair of pliers or a hammer will do the trick.

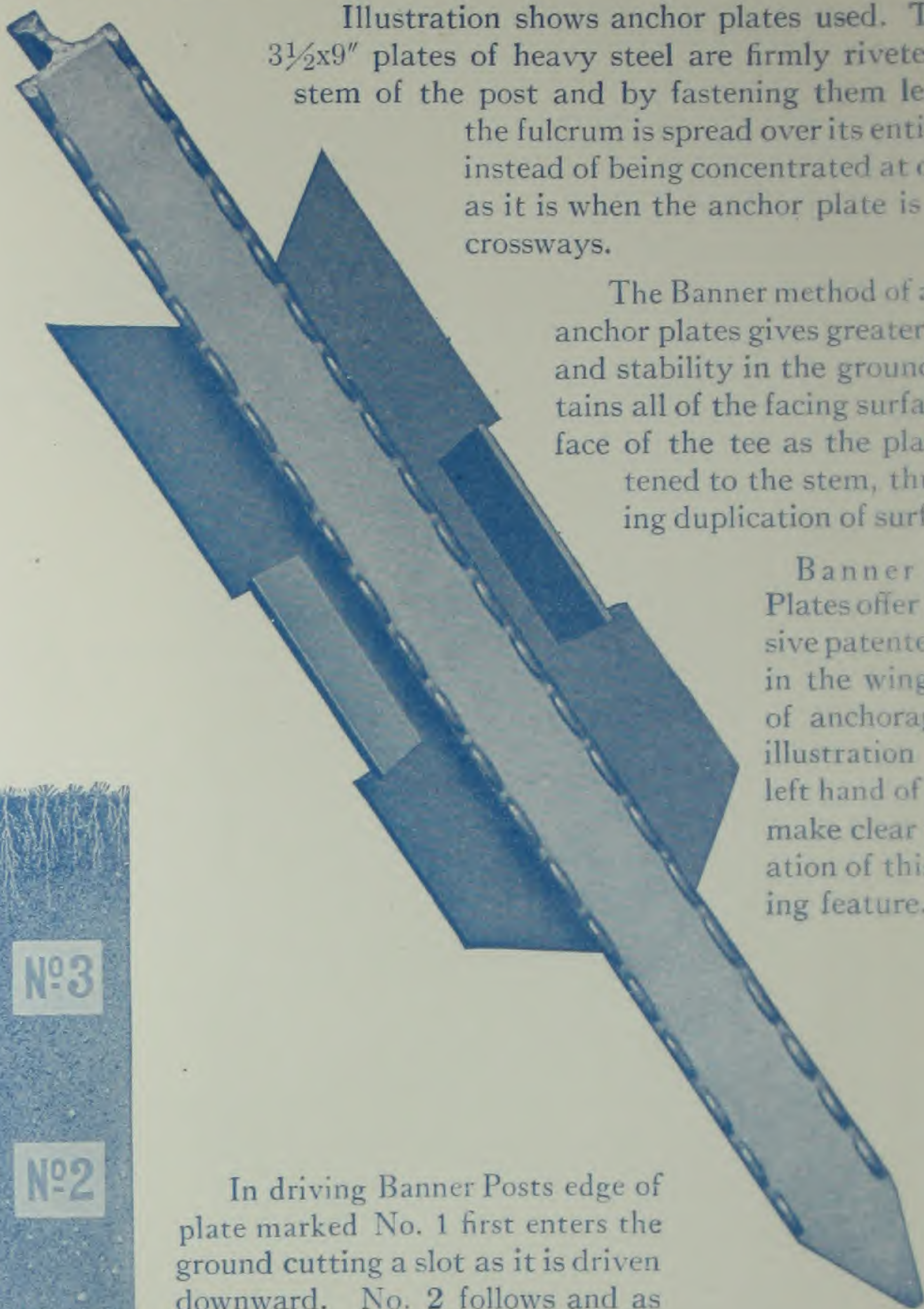
Banner Clamps are easy to apply and will hold the fence securely. Seven of them are furnished free with each line post.

Banner Anchor or Face Plate

Illustration shows anchor plates used. These big $3\frac{1}{2} \times 9$ " plates of heavy steel are firmly riveted to the stem of the post and by fastening them lengthwise the fulcrum is spread over its entire length instead of being concentrated at one point as it is when the anchor plate is fastened crossways.

The Banner method of attaching anchor plates gives greater strength and stability in the ground and retains all of the facing surface of the face of the tee as the plate is fastened to the stem, thus avoiding duplication of surface area.

Banner Anchor Plates offer an exclusive patented feature in the wing method of anchorage. The illustration in lower left hand of page will make clear the operation of this anchoring feature.



Patented
Feb. 7, 1922



Edgewise view of
Wing Anchorage
in solid earth

In driving Banner Posts edge of plate marked No. 1 first enters the ground cutting a slot as it is driven downward. No. 2 follows and as it is not parallel to No. 1, it must cut its own slot, and in doing so it closes the slot cut by No. 1 by shoving over the earth, No. 3 in turn re-opens slot made by No. 1 and closes No. 2.

When the post is subject to upward pressure the reverse of the above operation is met with and a firm anchorage in the ground is secured.

Banner T-Steel Line Posts

—Formerly Arrow

Light Gray Painted Finish or Galvanized

SIZES AND WEIGHTS

Length, Feet	Approximate Weight Each in Lbs.	Length, Feet	Approximate Weight Each in Lbs.
5	7.32	7	9.98
6	8.65	7½	10.65
6½	9.32	8	11.31

Banner Posts are Packed 5 to a Bundle

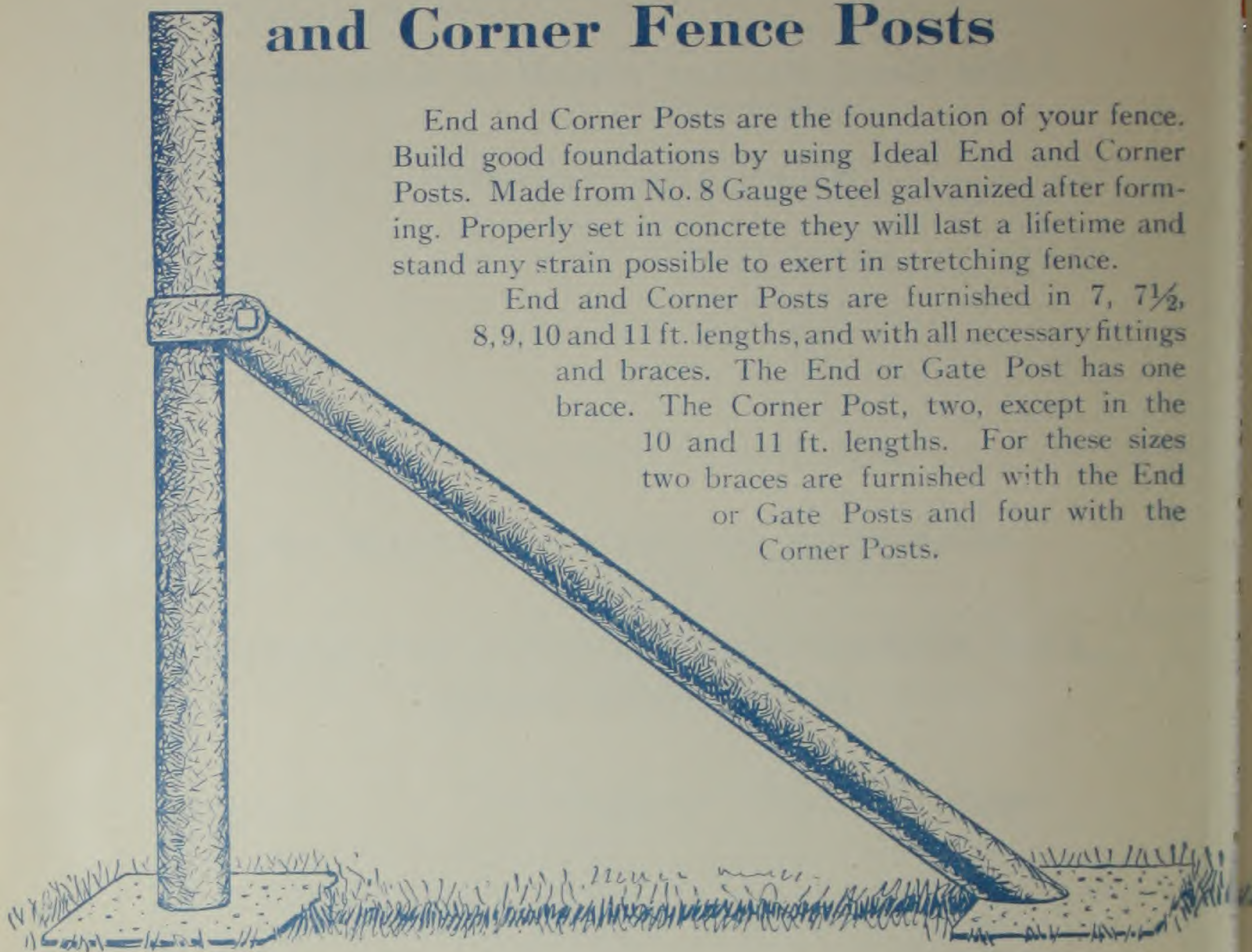
SCHEDULE SHOWING NUMBER OF CLAMPS AND WEIGHT FOR VARIOUS QUANTITIES OF BANNER POSTS

Number of Posts	Number of Clamps	Weights of Clamps to Furnish
5	35	0 lbs. 7 oz.
10	70	0 lbs. 15 oz.
15	105	1 lb. 6 oz.
20	140	1 lb. 14 oz.
25	175	2 lbs. 5 oz.
50	350	4 lbs. 10 oz.
75	525	6 lbs. 13 oz.
100	700	9 lbs. 4 oz.
200	1400	18 lbs. 8 oz.
300	2100	27 lbs. 11 oz.
400	2800	36 lbs. 15 oz.
500	3500	46 lbs. 3 oz.
1000	7000	92 lbs. 6 oz.
1500	10500	138 lbs. 10 oz.
2000	14000	184 lbs. 13 oz.
2500	17500	231 lbs. 0 oz.
3000	21000	277 lbs. 3 oz.
3500	24500	323 lbs. 6 oz.
4000	28000	369 lbs. 9 oz.

Ideal Galvanized End or Gate and Corner Fence Posts

End and Corner Posts are the foundation of your fence. Build good foundations by using Ideal End and Corner Posts. Made from No. 8 Gauge Steel galvanized after forming. Properly set in concrete they will last a lifetime and stand any strain possible to exert in stretching fence.

End and Corner Posts are furnished in 7, 7½, 8, 9, 10 and 11 ft. lengths, and with all necessary fittings and braces. The End or Gate Post has one brace. The Corner Post, two, except in the 10 and 11 ft. lengths. For these sizes two braces are furnished with the End or Gate Posts and four with the Corner Posts.



Method of Setting Ideal Posts

The hole for the Ideal End Post should be about 20 inches square at the top and 3 ft. deep and larger at the bottom. If the soil is soft and yielding the hole should be larger.

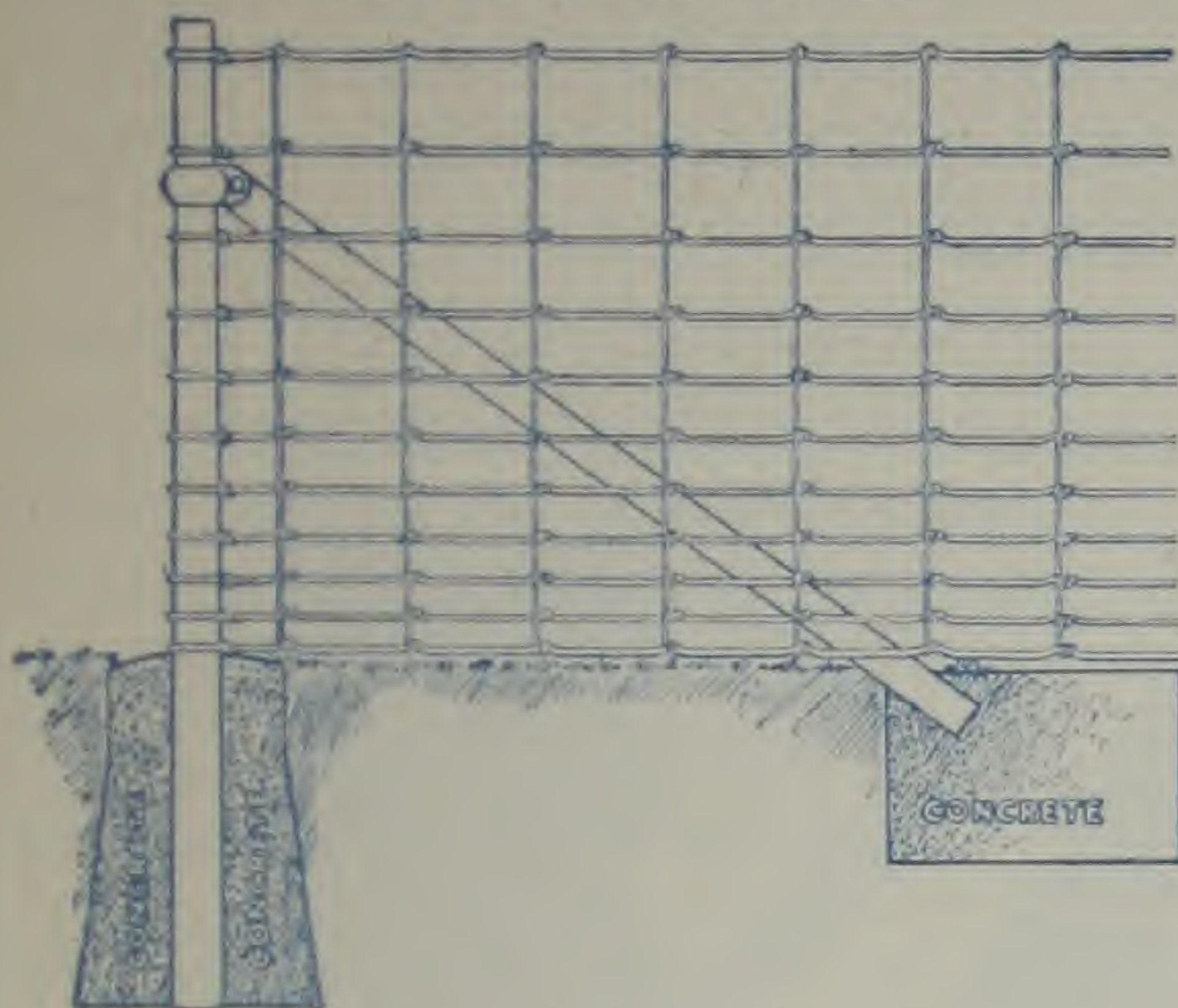
The post should extend about 2 inches above the top of the fence. To secure proper setting turn the post upside down against the roll of fence and place a mark 2 inches higher, then turn the post over and the mark will be the ground line. Place the post in the center of the hole with bottom resting on the ground and fill with concrete level with surface.

Brace block.—Without disturbing concrete around End Post, slip the brace into the brace collar on the post and let the other end rest on the ground and make a mark 2" or 3" nearer the post than the end of the brace. This mark will be the edge of the brace block hole next to the post. Dig the brace block hole about 18" or 20" square and 16" or 18" deep, if the ground is reasonably firm. If soft and yielding make the brace block bigger. Fill the hole with concrete level with the ground line and press the brace into the concrete until it is buried 2" or 3" below the surface and leave it until thoroughly set.

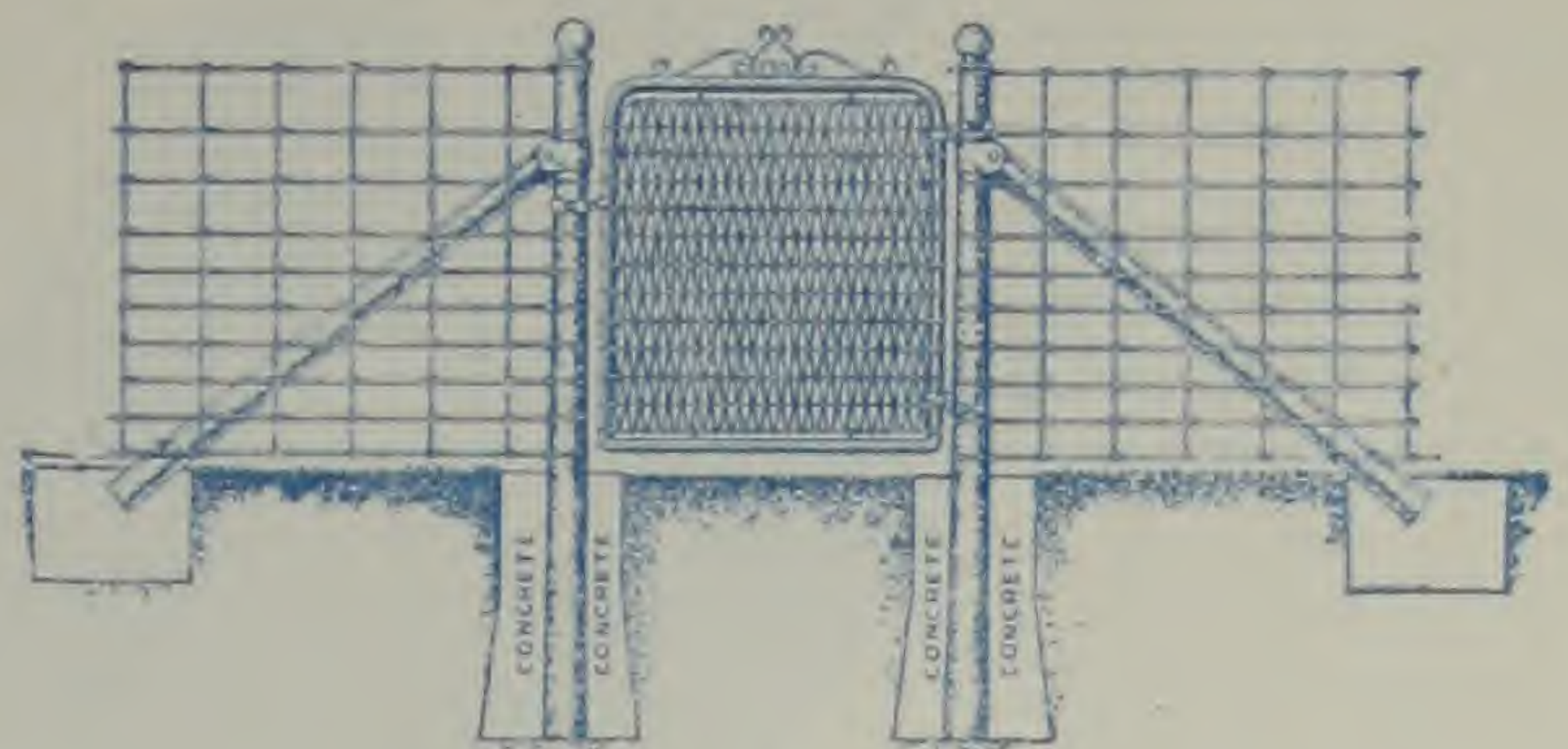
Always see that brace collar is down on the post far enough to get the best results. Be sure that the nut on the brace collar is turned up securely before stretching fence or the brace collar will slip up.

Ideal Galvanized End or Gate and Corner Fence Posts

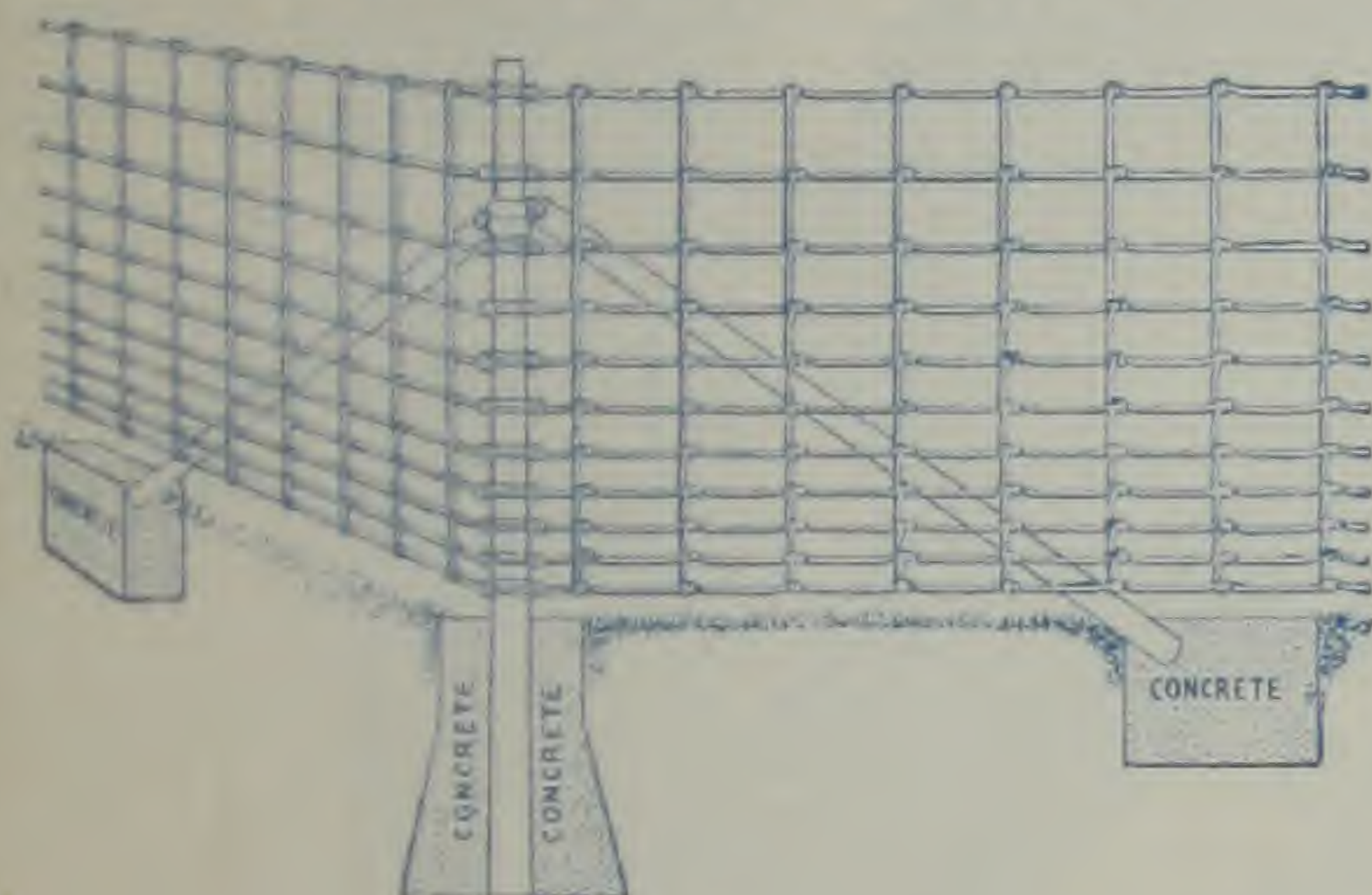
IDEAL END POST



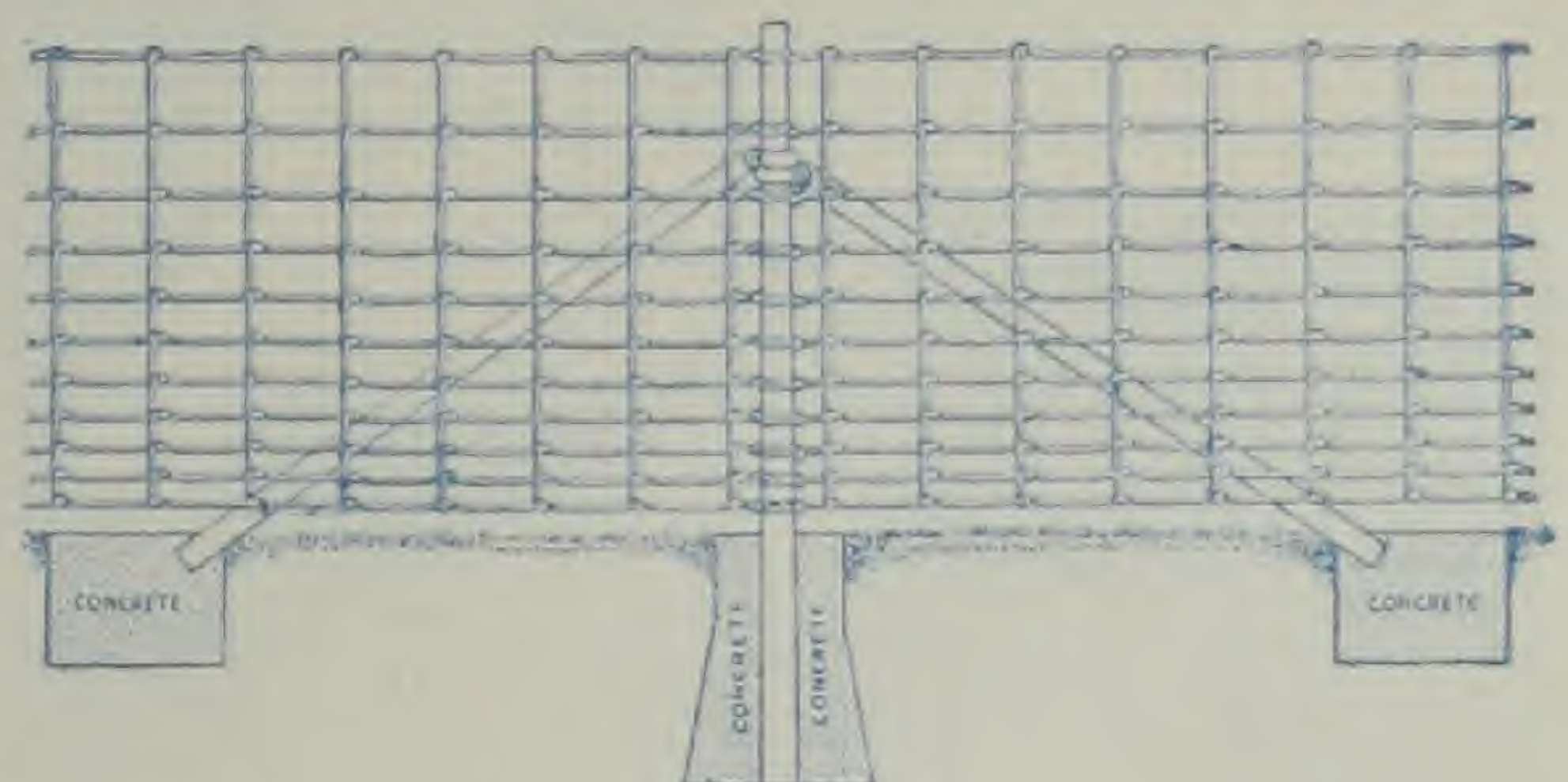
IDEAL GATE POST



IDEAL CORNER POST



IDEAL CORNER POST
In Use as Intermediate Stretching Post



Ideal Galvanized End or Gate and Corner Posts

Specifications and Weights

Length	Gauge	Top and Bottom Diameter in Inches	APPROXIMATE WEIGHT IN POUNDS	
			End or Gate	Corner
7	8	2½	48.3	67.7
7½	8	2½	51.9	72.7
8	8	2½	54.5	75.9
9	8	2½	62.1	86.7
*10	8	2½	96.1	151.4
*11	8	2½	100.3	155.6

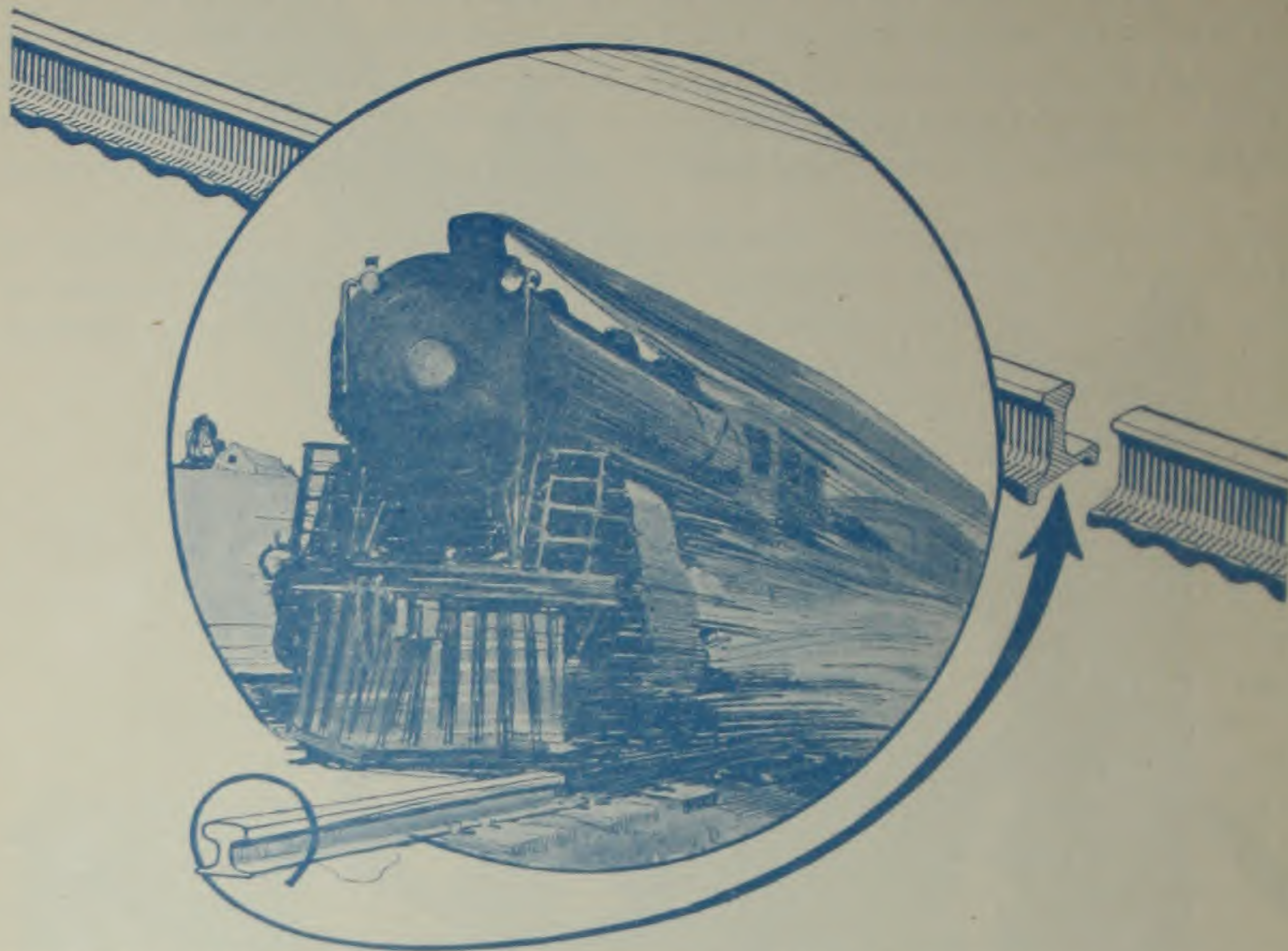
*10 and 11 foot End Posts are furnished with two braces. Corner Posts are furnished with 4 braces.

Ornamental Ball Tops can be furnished for End or Corner Posts.

Banner Steel Line Posts

—Formerly Arrow

A Fence Post Built Like A Railroad Rail



SOME SUPERIOR POINTS IN BANNER POSTS

Notches frequent enough to fasten any or every fence wire on both sides of the face of the post.

Anchor plate that locks itself into the ground giving immediate anchorage.

Anchor—Breast plate more than 50% larger than any other post—giving greater stability.

"Hump" Clamp.—Fastening itself and line wire into each pair of notches, yet allowing line wires to meet strains by sliding lengthwise.

Strength to hold a fence securely in line and proof against the attack of cattle.

Banner Posts will not bend, twist, buckle or become loose and wobbly.

Dependability that insures complete protection through many years of inexpensive, care-free service.

American Steel & Wire Company

Chicago New York Boston
Birmingham Dallas Denver
U. S. Steel Products Co., San Francisco
Los Angeles Portland Seattle